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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 16:40:39 ; Search time 36.0915 seconds
(without alignments)
11981.069 Million cell updates/sec

Title: US-09-497-967-44
Perfect score: 1410
Sequence: 1 agaaaaataatttttagt.....cttattattattatgatga 1410

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338301 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents.NA.*
1: /cgn2.6/prodata/1/lna/5A-COMB.seq.*
2: /cgn2.6/prodata/1/lna/5B-COMB.seq.*
3: /cgn2.6/prodata/1/lna/6A-COMB.seq.*
4: /cgn2.6/prodata/1/lna/6B-COMB.seq.*
5: /cgn2.6/prodata/1/lna/PCTUS-COMB.seq.*
6: /cgn2.6/prodata/1/lna/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	3.5	1248	4	US-09-134-001C-1120
2	49.4	3.5	740	4	US-09-451-117-1
3	49.2	3.5	5319	1	US-08-169-927-1
C 4	45.8	3.2	3489	2	US-08-728-323A-1
C 5	45.8	3.2	3489	4	US-09-298-568-1
6	45.8	3.2	11091	4	US-09-134-001C-2243
7	45.8	3.2	32207	2	US-08-770-379-20
8	45.8	3.2	32207	4	US-08-757-669A-20
9	45.8	3.2	32207	4	US-09-230-371A-20
10	43.4	3.1	2129	4	US-08-973-762-39
11	43.4	3.1	2129	4	US-09-295-028-39
12	43.4	3.1	2129	4	US-09-106-582-39
13	42.6	3.0	1390	4	US-09-210-168-1
14	42.6	3.0	1422	2	US-08-700-670A-22
15	42.6	3.0	7904	1	US-08-316-239B-1
16	42.6	3.0	7904	1	US-08-316-239B-2
17	42.6	3.0	7904	1	US-08-410-005-1
18	42.6	3.0	7904	3	US-08-929-140-1
19	42.6	3.0	7904	4	US-09-560-579A-1
20	41.8	3.0	3168	4	US-09-165-239A-3
C 21	41.8	3.0	3998	4	US-09-068-046-5
C 22	41	2.9	543	6	5273901-6
23	41	2.9	1278	4	US-09-134-001C-58
24	40.8	2.9	795	1	US-07-958-551-1
25	40.8	2.9	795	1	US-08-129-610-6
26	40.8	2.9	795	1	US-08-129-609A-6
27	40.8	2.9	795	1	US-08-455-313-6

28	40.8	2.9	795	1	US-08-475-924-1	Sequence 1, Appl
29	40.8	2.9	795	2	US-08-657-579A-1	Sequence 1, Appl
30	40.8	2.9	795	3	US-09-224-025-6	Sequence 6, Appl
31	40.8	2.9	795	5	PCT-US94-07887-6	Sequence 1, Appl
32	40.6	2.9	1948	1	US-07-849-438-1	Sequence 1, Appl
33	40.6	2.9	3143	1	US-08-485-621-1	Sequence 1, Appl
34	40.6	2.9	3143	2	US-08-973-831-1	Sequence 1, Appl
35	40.6	2.9	3143	5	PCT-US96-09530A-1	Sequence 1, Appl
36	40.4	2.9	4460	3	US-09-007-939-1	Sequence 1, Appl
37	40.4	2.9	4460	4	US-09-210-361-1	Sequence 1, Appl
38	40.4	2.9	4460	4	US-09-740-274-1	Sequence 1, Appl
39	40	2.8	834	1	US-07-945-288-1	Sequence 1, Appl
40	40	2.8	834	1	US-08-462-831-1	Sequence 1, Appl
41	40	2.8	834	1	US-08-461-809-1	Sequence 1, Appl
42	40	2.8	834	1	US-08-461-441-1	Sequence 1, Appl
43	40	2.8	834	1	US-08-482-142-1	Sequence 1, Appl
44	40	2.8	834	2	US-08-478-572-1	Sequence 1, Appl
45	40	2.8	834	4	US-08-484-296-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-09-134-001C-1120
; Sequence 1120, Application US/09134001C
; Patent No. 6380370

GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134,001C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064,964

; PRIOR FILING DATE: 1997-11-08

; PRIOR APPLICATION NUMBER: US 60/055,779

; PRIOR FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674

; SEQ ID NO 1120

; LENGTH: 1248

; TYPE: DNA

; ORGANISM: Staphylococcus epidermidis

US-09-134-001C-1120

Query Match 3.5%; Score 50; DB 4; Length 1248;
Best Local Similarity 42.8%; Pred. No. 0.0047;
Matches 254; Conservative 0; Mismatches 340; Indels 0; Gaps 0;

QY 247 GCTACTGCTAATTTAGTCACATAATGTAACGTTAAATGCCCTGCTGTACCGCAATTGCA 306

Db 433 GCTACTGCTCAAGTTCTTATTTAGTTAGGTGCCAAGGCCCAATGGTTCTACAGTAACA 492

QY 307 GGTGAGCAACAGATTTATGCAGCAATAATACAGAAATGTGTTAATGTAGATAATTTT 366

Db 493 GCTTGTGTACGGGACTAATTCATAGGTGAGGCATTTAAATTTATTTCAACGTTGGTAT 552

QY 367 TATATGAATGCTCCAAATTTTAAATGCAGTGCTAGTACATGCACAGCTTGTCCGGTA 426

Db 553 GCAGATGCAATGGTGACTGGTGGAAACAGAGCCACTTATACACATATGGCAATCGCAGGG 612

QY 427 AACAGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 486

Db 613 TTTAGTGAAGTCGTGCATTATCTACAACAACATCACCTGAACAGCTTGTGACCATTC 672

QY 487 GTCGATGTCCTACTGTGACTGACCTTGATGATGAGTAATCTACTGATTTAGTATCA 546

Db 673 CAAGAAGCCGTGATGGCTTTGTTATGGTGAAGGGCAGGTATTTGTTACTTGAATCA 732

QY 547 TTCACAGATGTTTAATGATGACTTAACTTTTACTATATGTAATGTAATGTAATGTAAT 606

Db 733 TTAGATTCAGCTAAAGAGAGAGCGCTGAAATTTACGCTGAAGTTGTAGGTTATGGTTCC 792

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Qy 607 CCTTTCAATCCAGGTAAGTTAATGCACACCTTTGTCGGCAATTAACCTGCTAATGTT 666
Db 793 TCGGGCGATCCACATATATACAGCACCTGCGCCTGAAGTGCAAGGTGGCTCACCAGCT 852
Qy 667 GCTTAAGCTACTTTAGGTAAATGATGCTACAATAACCGCATAATGTAACTGTCATGCCCT 726
Db 853 ATGCAAGCTGCTTTAGATGATGCTGGAATCAAGCTCAAGATGTACAGTATTTAAATGCA 912
Qy 727 GATGGTACTATAAGTCTGCTGAGTAATAATTTGGTAGCACAACACACTGAATGTACT 786
Db 913 CATGGCAACAAGTACACTGTGTGAGATTTATATGAGGTTCACAGCGATTAAAATACATTC 972
Qy 787 AATTGTGCTCCTCACTTTTACAATAATAATGCTCCCTTAATTTCAATCCAGGTAAT 840
Db 973 GGTGATGCTCGGAGTCATTAAAGTAAGTTCAACTAAATCAATGACTGGACAT 1026

RESULT 2
US-09-451-117-1
; Sequence 1, Application US/09451117
; Patent No. 6277973
; GENERAL INFORMATION:
; APPLICANT: Jenkins, Mark C.
; APPLICANT: Fayer, Ronald
; APPLICANT: Trout, James
; TITLE OF INVENTION: Cloning and Expression of a DNA Sequence Encoding A 41
; TITLE OF INVENTION: kDa Cryptosporidium parvum Oocyst Wall Protein
; FILE REFERENCE: 0046.99
; CURRENT APPLICATION NUMBER: US/09/451,117
; CURRENT FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 740
; TYPE: DNA
; ORGANISM: Cryptosporidium parvum
US-09-451-117-1

Query Match 3.5%; Score 49.4; DB 4; Length 740;
Best Local Similarity 46.2%; Pred. No. 0.0056;
Matches 164; Conservative 0; Mismatches 191; Indels 0; Gaps 0;

Qy 621 TAAAGTAATGACACACTTGTCCGGCAATTAACCTGCTAATGTTGCTTAAAGCTACTTT 680
Db 369 TACTACTCAATCAATGGAAGTTACTGATACATAATATTGGTAATAGTGGTATTATTAC 428
Qy 681 AGGTAATGATCTACATAACCGCATATGTAAAGTTGCATGCCCTGATGGTACTATAAG 740
Db 429 ATCTAGTGGTGATTCTTAGTCTTAATAATATCTTAATGGTAATAATAGTATAG 488
Qy 741 TGCTGCTGGAGTAATAATTGGGTAGCACAACACACTGAATGTACTAATTGTGCTCCTAA 800
Db 489 TAATATTGGATCAGAAATTTATACCAGTTGGTACTTGTCTTCTACTAGTATTGGTAA 548
Qy 801 CTTTACAAATAAATGCTCCTCAATTTCAATCCAGGTAATAAGTACATGCCCTACTGCCCC 860
Db 549 TAGTAATGGTGTGCTTTTACTGCTTATTCATCTTAATAAACAATAAGCAATAATATTA 608
Qy 861 AGCAATAAAGATTATGGTGTGAGCCACTGCAGGTGGTGGCCTACTTTAGCCAAATA 920
Db 609 TAATAATAATAATAATAAGTAAATACCATCTTACTACTGTTGCTACTAATGCTAATAT 668
Qy 921 ATGTAATAATTGCGCCTGATGGTACTGCAATTGCTAGTGGAGCAACTAATTAT 975
Db 669 TACTACTAATACTACTAATACTACTACTACTACTACTACTAATAATAATAATAATAAT 723

RESULT 3
US-08-169-927-1
; Sequence 1, Application US/08169927
; Patent No. 5783441
; GENERAL INFORMATION:
; APPLICANT: Carl, Mitchell
; APPLICANT: Dobson, Michael E.
; APPLICANT: Ching, Wei Mei
; APPLICANT: Dasch, Gregory A
; TITLE OF INVENTION: Gene and Protein Applicable to the
; TITLE OF INVENTION: Preparation of Vaccines for Rickettsia prowazekii and
; TITLE OF INVENTION: Rickettsia typhi and the Detection of Both
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Counsel, Naval Medical R & D Command
; STREET: Bldg. 1, T-12, 8901 Wisconsin Ave.
; CITY: Bethesda
; STATE: MD
; COUNTRY: USA
; ZIP: 20889-5606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/169,927
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/742,128
; FILING DATE: 08/09/91
; ATTORNEY/AGENT INFORMATION:
; NAME: Spevack, A. David
; REGISTRATION NUMBER: 24,743
; REFERENCE/DOCKET NUMBER: 75,976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 295-6759
; TELEFAX: (301) 295-1022
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5319 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Rickettsia prowazekii
; STRAIN: Breinl
; FEATURE:
; NAME/KEY: -35_signal
; LOCATION: 340...345
; FEATURE:
; NAME/KEY: -10_signal
; LOCATION: 363...368
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 391...5226
; FEATURE:
; NAME/KEY: RBS
; LOCATION: 379...386
; FEATURE:
; NAME/KEY: stem_loop
; LOCATION: 5270...5306
; PUBLICATION INFORMATION:
; AUTHORS: Carl, M.
; AUTHORS: Dobson, M. E.
; AUTHORS: Ching, W. M.
; AUTHORS: Dasch, G. A.
; TITLE: Characterization of the gene encoding the
; TITLE: protective S-layer protein of Rickettsia
; TITLE: prowazekii; presence of a truncated identical
; TITLE: homolog in rickettsia typhi
; JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
; DATE: 1990
```

RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 5319

Query Match 3.5%; Score 49.2; DB 1; Length 5319;
Best Local Similarity 41.5%; Pred. No. 0.012;
Matches 321; Conservative 0; Mismatches 453; Indels 0; Gaps 0;

QY 247 GCTACTGCTAATTTAGTCACATAATGTAAGTTAAATGCCCTGCTGTACCGCAATTGCA 306
DB 2224 GCTAATACGAGTTAGTTATAGAAAATTAAGTTTCAGTCAACAATTATCAATACTTAC 2283
QY 307 GGTGAGCAACAGATTATGACGCAATAATCAGCAATGTTTAAATGTAGAAATATTTT 366
DB 2284 TTAATAACAAAATATCAATGCTGCAACCAAGGTCAATAATCGTTGCCGCTGATCCT 2343
QY 367 TATAATGAAATGCTCCAAATTTTAAATGACAGGTGCTAGTACATGCACAGCTTCTCCGGTA 426
DB 2344 CTTAATACTAATACTACTCTTCTGATGGTACAAATTTAGGTAGTGAGCAAAATCCACTT 2403
QY 427 AACAGAGTTGGTGGTGCATTTAGCTGCTGTAATGCCCTACCATAGTCGCATTAATGTAAC 486
DB 2404 TCTACTATTCTATTTGCCACTAAGCTGCTAATGCTGACTCTATATTAATGTAAGTAAA 2463
QY 487 GTCGCATGCTCTACTGCTAGTCACATGATGAGTGAAGTAACTGATTAATGTTAGTACA 546
DB 2464 GGAGTAATTTATATGCTAATAATATTACTACTAAGCATGCTAATAGTGTCTTTTACAC 2523
QY 547 TTCACAGAAATGCTTAAATGTAGCTTAACCTTTTACTAATGTAATGTAATGTAATGTA 606
DB 2524 TTTAGGCTGCTGACAGATAGTAAAGTGGTACAGTTGGTGGAGCAAGAGTCAATAG 2583
QY 607 CTTTCAATCCAGGTAAGTAAATGCACACCTTTGTCGCAATTAACCTGCTAATGTT 666
DB 2584 CTTAATAATTTAATATTAGATAATGCTACTACGTTTAAAGTTTAAAGTATGATACAA 2643
QY 667 GCTTAAGCTACTTTAGTATGATGCTACATAATGTAACCGCATATGTAACGTTGCAATGCC 726
DB 2644 AATGGTGGTACTAAATGTAAGGTAATCCATCTTGCCTAATAGCAATTAATTAATGTA 2703
QY 727 GATGGTACTAATGCTGCTGCTGCTAATAATTTGGGTAGCAGCAACACTGAATGCTACT 786
DB 2704 GATCATGTTGAATCTGCTGATATACTGCTACATTAAGATTTGTTAACTGATCCTATA 2763
QY 787 AATTTGCTCCTAATTTTACATAATAATGCTCCTAATTTCAATCCAGGTAATAGTACA 846
DB 2764 ACCGTAAACATTAATAAACAAGGTGCTTATTTTGGTGTGTTAAACAAGTAATTTTCT 2823
QY 847 TGCTTACCTTGCCAGCAATAAAGATTATGCTGCTGAGGCCACTGCAGGTGGTGGCCGT 906
DB 2824 GGTCCAGGTAACATAGTATTTATGATAGATAGGTAATGTAAGGAATGATACATGATAGCA 2883
QY 907 ACTTTAGCCAAATAATGTAATTTGATGCCCTGATGGTACGCAATTTGCTAGTGGAGCA 966
DB 2884 GCTAATTCATTTCTTTGAAAATGCAAGTTTAAAGTACATCTTTTCTTACCTAGTGGT 2943
QY 967 ACTAATTTGTAATATTAACAGAAATGCTAATTTGCTGCTGCTAATTTTAT 1020
DB 2944 ACTCCATTAGATGTTTAAACAATTAAGATACCGTAGGTAATGGTACAGTAGAT 2997

RESULT 4

US-08-728-323A-1/c

Sequence 1, Application US/08728323A

Patent No. 5948676

GENERAL INFORMATION:

APPLICANT: Chang, Yuan

APPLICANT: Bohenzky, Roy A.

APPLICANT: Russo, James J.

APPLICANT: Edelman, Isidore S.

APPLICANT: Moore, Patrick S.

TITLE OF INVENTION: Immediate Early Protein From Kaposi's

TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA

TITLE OF INVENTION: Encoding Same And Uses Thereof

NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSC/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3489 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..3489
US-08-728-323A-1

Query Match 3.2%; Score 45.8; DB 2; Length 3489;

Best Local Similarity 44.0%; Pred. No. 0.066;

Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 592 AATAATGTAATACCTCTTTCAATCCAGGTAAAGTTAATGCACACCTTTGTCCGGCAATT 651
DB 2473 ACTCTGCTGCTGCTCTCTAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2414
QY 652 AAACCTGCTAATGTTGCTTAAGTACTTTAGTAAATGATGCTACATAAACCAGCAATGT 711
DB 2413 CTAACTCTGCTGCTGCT 2354
QY 712 AACGTTGCATGCCCTGATGGTACTATAAGTCTGCTGGAGTAAATAATTGGGTAGCACAA 771
DB 2353 CCTCTAACTCTGCTGCTGCT 2294
QY 772 AACACTGAATGCTAATTTGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 831
DB 2293 GCTCTCTCTGCTGCTGCT 2234
QY 832 CCAGTAAATAGTACATGCTTACCTTGGCCAGCAATAAAGATTATGCTGCTGAAGCCACT 891
DB 2233 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2174
QY 892 GCAGGTGGTGGCGCTACTTTTAGCCAAATAATGTAATATTGATGCCCTGATGGTACTGCA 951
DB 2173 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2114
QY 952 ATTGCTAGTGGAGCACTAATATTGTAATATTATTAACAGAAATGCTTAAATTTGCTGCT 1011
DB 2113 CATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2054
QY 1012 AACCTTTTATTTTATGATGTAAT 1032
DB 2053 GCTCATCTGCTGCTGCTGCTCAT 2033

RESULT 5
US-09-298-568-1/c
; Sequence 1, Application US/09298568
; Patent No. 6322792
; GENERAL INFORMATION:
; APPLICANT: Kieff, Elliott D.
; APPLICANT: Ballesta, Mary E.
; APPLICANT: Kaye, Kenneth M.
; TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO
; TITLE OF INVENTION: VIRUS DNA TO MEDIATE EFFICIENT EPISOME PERSISTENCE
; FILE REFERENCE: 16412-10001R
; CURRENT APPLICATION NUMBER: US/09/298,568
; CURRENT FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,422
; EARLIER FILING DATE: 1998-11-19
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 3489
; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-298-568-1
Query Match 3.2%; Score 45.8; DB 4; Length 3489;
Best Local Similarity 44.0%; Pred. No. 0.066;
Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;
Qy 592 AATAAGGTAACTCTTTCAATCCAGGTAAAGTTAATGCACACCTTGTCCGGCAATT 651
Db 2473 ACTCCTGCTGCTGCTCTAACTCTAACTCTGCTGCTGCTGCTGCTGCTGCTGCT 2414
Qy 652 AAACCTGCTAATGTTGCTTAAGTACTTTAGTAAATGATGCTACAATAACCGCATAATGT 711
Db 2413 CTAACCTGCTGCTGCTCTCTAACTCTAACTCTGCTGCTGCTGCTGCTGCTGCT 2354
Qy 712 AACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 771
Db 2353 CCTCTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2294
Qy 772 AACACTGAATGCTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 831
Db 2293 GCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2234
Qy 832 CCAGGTAATAGTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
Db 2233 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2174
Qy 892 GCAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 951
Db 2173 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2114
Qy 952 ATTCCTAGTGAGCACTAATATGTAATATATATAACAGCAATGCTGCTGCTGCTGCT 1011
Db 2113 CATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2054
Qy 1012 AACCTTTATTTGATGTAAT 1032
Db 2053 GCTCATCTGCTGCTGCTGCT 2033
RESULT 6
US-09-134-001C-2243
; Sequence 2243, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08

; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2243
; LENGTH: 11091
; TYPE: DNA
; ORGANISM: staphylococcus epidermidis
US-09-134-001C-2243
Query Match 3.2%; Score 45.8; DB 4; Length 11091;
Best Local Similarity 46.9%; Pred. No. 0.096;
Matches 143; Conservative 0; Mismatches 162; Indels 0; Gaps 0;
Qy 726 TCATGGTACTATAAGTCTGCTGGAGTAAATTAATTTGGGTAGCACAAAACACTGAATGTAC 785
Db 3906 TCATGGTATTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3965
Qy 786 TAATTTGCTGCTCTAACTTTTACAATAATAATGCTCCCTTAATTTCAATCCAGGTATAGTAC 845
Db 3966 TAAAAGAAATGCTAAAATGATATTGATATTAAAGCAGCTGATAAGAAAATAAAAATCA 4025
Qy 846 AVGCCTACCTTGGCCAGCAAAATAAAGATTATGGTCTGAAGCCACTGCAGGTGGTGGC 905
Db 4026 AAGAATAATGATGCTACAGATGAAGAATTCAGAAGCGAATCGTAAATTTGAAGAAGC 4085
Qy 906 TACTTTAGCCAAATAATGTAATATTGTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 965
Db 4086 TAAGATTGAAGCAAAAGATAATATTCAACGCAATAGTAGTACTAGAGATCAAGTAAATGAAGC 4145
Qy 966 ACTAATATTGTAATATTATTAACAGAAATGCTAAATTTGCTGCTGCTGCTGCTGCTGCTGCT 1025
Db 4146 GAAACTAATGGAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 4205
Qy 1026 TGGTA 1030
Db 4206 AGCTA 4210
RESULT 7
US-08-770-379-20
; Sequence 20, Application US/08770379
; Patent No. 5849564
; GENERAL INFORMATION:
; APPLICANT: Chang, Yuan
; APPLICANT: Bohenzky, Roy A.
; APPLICANT: Russo, James J.
; APPLICANT: Edelman, Isidore S.
; APPLICANT: Moore, Patrick S.
; TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
; TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/770,379
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 52342
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400


```
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 32207
; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

Query Match          3.2%; Score 45.8; DB 4; Length 32207;
Best Local Similarity 44.0%; Pred. No. 0.14;
Matches 194; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 592 AATAATGTAATACCTTTTCAATCAGGTAAAGTAAATGACACACCTTGCGGCAAT 651
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19524 ACTCCTGCTCCTGCTCTAACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19583
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 652 AAACCTGCTAATGTTGCTTAAGCTACTTTAGTAAATGATGCTACATAACCGCAATGT 711
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19584 CTAACCTCCTGCTCCTGCTCTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19643
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 712 AAGCTTGCAATGCCCTGATGCTACTATAAGTGTGCTGCTGGAGTAAATAATGGGTAGCAAA 771
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19644 CCTCTAACTCCTGCTCCTGATCTCTAATCTGCTGCTGCTGCTGCTGCTGCTGCT 19703
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 772 AACACTGAATGACTAATTTGCTCTAATCTAATCTAATCTAATCTAATCTAATCTAAT 831
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19704 GCTCCTCCTGCTGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19763
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 832 CCAGGTAATAGTACATGCTTACCTTCCCGCAGCAATAAGATTATGGTGAAGCCACT 891
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19764 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19823
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 892 GCAGGTGGTGGCGCTACTTTAGCCAAATAATGTAATTTGATGCGCTGATGGTACTGCA 951
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19824 GCTGCTGCTCATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19883
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 952 ATGCTAGTGGAGCAACTAATTTATGTAATATTATAACAGAAATGCTAATTTGCTGCT 1011
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19884 CATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 19943
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 1012 AACTTTTATTTGATGGTAAT 1032
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19944 GCTCATCCTGCTGCTGCTCAT 19964
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RESULT 10
US-09-975-762-39
; Sequence 39, Application US/08975762
; Patent No. 6207169
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
; TREATMENT
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/975,762
; FILING DATE: 21-MAR-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
```

```
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.439
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-975-762-39

Query Match          3.1%; Score 43.4; DB 4; Length 2129;
Best Local Similarity 44.3%; Pred. No. 0.21;
Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

QY 287 CTGCTGTACCGCAATTGCGAGGTGGACACAGATTATGAGCAATAATCACAGAATGTG 346
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 619 CTTCTTGCTGCATACCGACATCAGCTTCTACAGATACTTCAGACTTCAGATCACCTTCAG 678
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 347 TTAATTTAGAAATTAATTTTATAATGAAATGCTCCAAATTTTAAATGCAGGTGCTAGTA 406
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 679 TAACACCAAGAACTGTAGACTCAGGTGTGCTGTGTCAGAAACTTCAGGAGCTGATTCTA 738
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 407 CATGCACAGCTTGTCGGTAAACAGAGTTGGTGGTGCATTGCTGCTGTAATGCCOCTA 466
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 739 GTTGTGCGCTTCGGAGCAACTACCACCTTCTTGAAGCTTATTTTCTTCTAGTGATGTA 798
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 467 CCATAGTCGCAATATGTAACGTGCGCATGCTCTACTGTACTGCACCTTGATGGAGTAA 526
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 799 CAATCGCTTCTGCGAGCTTCAACACCGAGTAATTCGCTTCAGCTACTACAGGTACTTGTG 858
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 527 CTACTGATTAATGTAGATCATTCACAGAATGT---GTTAAATGTAGACTTAACTTTTACT 583
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 859 CTACAGGTGCTCAAGAATCTATCAAGATATCTTCTTTAGAGAACTTCTGTTTCTTCTT 918
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 584 ATAATGGTAATAATGGTAATCTCTTTCAATCAGGTAAAGTTAATGCACACCTTGTGTC 643
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 919 TTACTTCTACAGGAGCTTCAGTTCCTCTAGTGTCTTCTGCAATTTCTTGTCTTGTGAC 978
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 644 CGGCAATTAACCTGCTTAATGTTGCTTAAGCTACTTTAGTAAATGATGCTACATAACCG 703
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 979 CAGAGATTACTTCTTTTGGCTACATCAGCATTAGCTTCTACAGATACTTCAGACTTTTA 1038
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 704 CATAATGTAACTTGCATGCCCTGATGCTACTATAAGTGTGCTGCTGGAGTAAATTTGGG 763
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1039 GATCACCTTCAGCAACACCAAGAACTGTAGACTCAGGTGTGCTGCGCGAGAACTTCAG 1098
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 764 TAGCACAAAACACTGAATGTACTAATTTGCTGCTCTACTTTTACAATAAATAAGTCTCCTA 823
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1099 GAG-----CTGATTCAGTTGTTGCGCTTCTGGAGCAACTACCACTTCTTGAAGCT 1149
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 824 ATTTCAATCCAGGTAATAGTACATGCCCTTCTGCCAGCAATAAAGATTATGGTGTG 883
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1150 TATTTTCTTCTAGTGATGGTACAATCGCTTCTGCAGCTTCAACACAGGTAATTTCTGCTT 1209
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 884 AAGCACTGCGAGTGGTGGCGCTAC 908
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1210 CAGCTACTACAGGTACTTGGCGCTAC 1234
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 11
US-09-295-028-39
; Sequence 39, Application US/09295028
; Patent No. 6277381
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
```

;
; TITLE OF INVENTION: AND TREATMENT OF EHRlichia INFECTION
; FILE REFERENCE: 210121.439C4
; CURRENT APPLICATION NUMBER: US/09/295,028
; CURRENT FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 2129
; TYPE: DNA
; ORGANISM: Ehrlichia sp.
US-09-295-028-39

Query Match 3.1%; Score 43.4; DB 4; Length 2129;
Best Local Similarity 44.3%; Pred. No. 0.21;
Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

```
QY 287 CTGCTGTACCGCAATTCGAGGTGGAGCAACAGATTTATCGAGCAATAATCAGAGATGTG 346
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 619 CTTCTTGCTGCATACCGATCAGCTGCTGCTGGTCGAGAACTTCAGACTTCAGATCACCTTCAG 678

QY 347 TTAATTGTAGAATTAATTTTATAATGAAAATGCTCCAAATTTAATGAGGTGCTAGTA 406
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 679 TAACACCAAGAAGCTGTAGACTCAGGTGCTGGTCGAGAACTTCAGAGCTGATTTCTA 738

QY 407 CATGCACAGCTTGTCGGTAAACAGAGTTGGTGGTGCATTTGACTGCTGTAATGCGGCTA 466
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 739 GTTGTTCGCGCTTCGAGCACTATCAAAAGTATCTTCCTTTAGAGAACTTCGTTCTTCTT 798

QY 584 ATAATGGTAATAGTAACTCTTTCAATCCAGGTAAAGTTAATGCAACACCTTTGCG 643
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 919 TTACTTCTACAGAGCTTCAGTTCCTCTAGTCTTCTGCAATTTTACAAATAATGCTCCTA 978

QY 644 CGGCAATTAACCTGCTAATGTGTTAGCTACTTTAGGTAAATGATGATGAGTAA 1038
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 979 CAGAGATTAATCTTTTTCGCTACATCAGCATTAAGCTTCTACAGATTAATGCTCCTA 1098

QY 704 CATAATGTAACCTGCTAATGTGTTAGCTACTTTAGGTAAATGATGATGAGTAA 1149
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1039 GATCAGCTTTCAGCAACCAAGAACTGTAGACTCAGGTGTGCTGGCGAGAACTTCAG 1209

QY 884 RAGCCACTGAGGTGCTGCGCTAC 908
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1210 CAGCTACTACAGGTACTTTCGCGCTAC 1234
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RESULT 12
US-09-106-582-39
; Sequence 39, Application US/09106582
; Patent No. 6306402
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP

THERAPY

;
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,582
; FILING DATE: 29-JUN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.439C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2129 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-106-582-39

Query Match 3.1%; Score 43.4; DB 4; Length 2129;
Best Local Similarity 44.3%; Pred. No. 0.21;
Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

```
QY 287 CTGCTGTACCGCAATTCGAGGTGGAGCAACAGATTTATGAGCAATAATCAGAGATGTG 346
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 619 CTTCTTGCTGCATACCGATCAGCTTCTACAGATTTCTCAGACTTCAGATCACCTTCAG 678

QY 347 TTAATTGTAGAATTAATTTTATAATGAAAATGCTCCAAATTTTAAATGAGGTGCTAGTA 406
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 679 TAACACCAAGAAGCTGTAGACTCAGGTGTGCTGGTCGAGAACTTCAGAGCTGATTTCTA 738

QY 407 CATGCACAGCTTGTCGGTAAACAGAGTTGGTGGTGCATTTGACTGCTGTTAAATGCCGCTA 466
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 739 GTTGTTCGCGCTTCGAGCACTTCTTGAAGCTTATTTCTCTAGTATGATGGA 798

QY 467 CCATAGTCGCAATATGTAAGTCGCAATGCTCTACTGCTACTGCACTTGATGAGGATA 526
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 799 CAATCGCTTCTGCAGCTTCAACACAGGTAATTTCTGCTTACAGCTACTTGTG 858

QY 527 CTACTGATTTAGTATCATTCACAGAAATG---GTTAAATGTAGACTTTAACTTTTACT 583
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 859 CTACAGGTTGCTCAAGATCATCAAGATATCTTCCCTTTAGAGAACTTCGTTCTTCTT 918

QY 584 ATAATGTAATAATGTTAACTCTTTCATCCAGTAAAGTTAATGCAACACCTTGTC 643
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 919 TTACTTCTACAGAGCTTTCAGTTCCTCTAGTCTTCTGCAATTTCTGCTCTGTTGAC 978

QY 644 CGGCAATTAACCTGCTAATGTGTTAGCTACTTTAGGTAAATGATGATGATGAGTAA 1038
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 979 CAGAGATTAATCTTTTTCGCTTACATCAGCATTAAGCTTCTTACAGATTAATGCTTCA 1098

QY 704 CATAATGTAACCTGCTGATGCTGCTACTATAAGTCTGCTGGAGTAAATGAGTGG 763
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1039 GATCAGCTTTCAGCAACCAAGAACTGTAGACTCAGGTGTGCTGGCGAGAACTTCAG 1098

QY 764 TAGCAGCAAAACACTGAATGTACTTAATTTGCTCTCTTAACTTTTACAATAATAATGCTCCTA 823
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1099 GAG-----CTGATTTCTAGTTGTTGGCTTCTGAGCAACTACCACTTCTTGAAGCT 1149

QY 824 ATTTCAATCCAGGTAAATGATGCTTACCTTGGCCAGCAATAAGATTTATGCTGCTG 883
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1150 TATTTCTTCTAGTATGATGATCAATCGCTTCTGCAAGCTTCAACAGGTAATTCGCTT 1209

QY 884 RAGCCACTGAGGTGCTGCGCTAC 908
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1210 CAGCTACTACAGGTACTTTCGCGCTAC 1234
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Thu Feb 20 11:10:26 2003		us-09-497-967-44.rni	
QY	884	AGCCACTGACAGTGGTGGCGCTAC	908
Db	1210	CAGCTACTACAGTACTTGGCGTAC	1234
RESULT 13			
US-09-210-168-1			
; Sequence 1, Application US/09210168			
; Patent No. 6355424			
; GENERAL INFORMATION:			
; APPLICANT: Lorincz, Attila T.			
; TITLE OF INVENTION: ASSESSMENT OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE			
; FILE REFERENCE: 26294005U2			
; CURRENT FILING DATE: 1998-12-11			
; PRIOR FILING DATE: 1998-12-11			
; PRIOR FILING DATE: 1998-04-17			
; PRIOR APPLICATION NUMBER: U.S. 60/082,167			
; PRIOR FILING DATE: 1998-04-17			
; PRIOR FILING DATE: 1998-01-05			
; PRIOR APPLICATION NUMBER: U.S. 60/070,486			
; PRIOR FILING DATE: 1997-12-12			
; PRIOR APPLICATION NUMBER: U.S. 60/069,426			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: Patent In Ver. 2.1			
; SEQ ID NO 1			
; LENGTH: 1390			
; TYPE: DNA			
; ORGANISM: Human papillomavirus			
; FEATURE:			
; OTHER INFORMATION: L2-HPV16			
US-09-210-168-1			
Query Match			
Best Local Similarity 44.1%; Pred. No. 0.28;			
Matches 226; Conservative 0; Mismatches 284; Indels 3; Gaps 1;			
QY	633	CACACCTTGTCCGGCAATTAAACCTGTAATGTTCCTTAAGCTACTTTAGGTAAATGATGC	692
Db	834	CACGCCACTAACTTATTACATATGATATCTCGCATATGAAGGTATAGATGTGCATAA	893
QY	693	TACAATAACCGCATAAATGACGTTCGATGCCCTGAGTACTATAGTCTCTCTGGAGT	752
Db	894	TACATTATATTTTCTAGTAATGATAATAGTATTAATATAGCTCCAGATCCTGACTTTT	953
QY	753	AAATAATGGGTAGCACAAACACTGATCTACTAATTTGTCCTCAACTTT---TACAA	809
Db	954	GGATATAGTTCCTTACATAGCCAGCATTAACCTCTAGGCGTACTGGCAATTAGGTACAG	1013
QY	810	TAATAATGCTCCTCAATTTCAATCCAGGTAATAGTACATGCTACCTTGGCCCGCAATAA	869
Db	1014	TAGAAATGGTAATAAACAACACTACGTACTCTGAGTGGAAATCTATAGGTGCTAAGT	1073
QY	870	AGATTATGGTCTGAAGCCACTGAGGTGGTGGCGCTACTTTAGCCAAATAATGTAATAT	929
Db	1074	ACATTATATTATGATTAAATGATCTATGATTCCTGCGAGAGAAATAGAAATTACAACIAT	1133
QY	930	TGCATGCCCTGATGGTACTGCAATTTGCTAGTGGAGCAACTAATTTATGTAATATATAAC	989
Db	1134	AACACCTTCTACATATACTACCACTTCACATGCAGCCTCACTTCTTATTAATAATGG	1193
QY	990	AGAATGCTAAATGTGCTGCTACTTTTATTTTGTAGTGGTAATTAATTTCTAGCGAGGAG	1049
Db	1194	ATTATATGATATTTATGAGATGACTTTTATTTACAGACTTCTTACAAACCCGGTACCATC	1253
QY	1050	TAGTAGATGCAAGCATGTCAGCAATAAATAAGTTTAAAGGCCCTCTAGCAACTGCAGGTGG	1109
Db	1254	TGTACCCCTCTACATCTTTATCAGGTTATATTTCTGCAAAATACACAATTCCTTTTGTGG	1313
QY	1110	TACTGCTACTTTAAATTTGCATAATGTGCCCTTGA	1142
Db	1314	TGCATACAATAATTCCTTTAGTATCAGGTCTGA	1346

Db 972 ACATTATTATGATTTAAGTACTATTGATCTCGCAGAGAAATAGAAATACAAACTAT 1031
QY 930 TGCATGCCCTCATGGTACTCAATTGCTAGTGGAGCAACTAAATTATGTAATTATAAAC 989
Db 1032 AACACCTTCTACATATATACCACTTCACATGCGAGCCTCACCTACTTCTATTATAATGG 1091
QY 990 AGAATGCTAAATTTGCTGCTAACTTTTATTTTGGTAAATTAATTTCTAGGCGAGGAG 1049
Db 1092 ATTATATGATATTATGACAGATGACTTTATACAGATACTTCTACACACCCCGGTACCATC 1151
QY 1050 TAGTAGATGCAAGCATGTCCAGCAAAATAAGTTTAAGGCGCTGTAGCAACTCGAGGTGG 1109
Db 1152 TGTACCCTCTACATCTTTATCAGGTTATATCTCTGCAAAATACAACAATTCCTTTTGGTGG 1211
QY 1110 TACTGCTACTTTAATGCAATATGTCCTTGA 1142
Db 1212 TGCATACAAATATCTCTTAGTATCAGGTCTTGA 1244

RESULT 15
US-08-316-239B-1
: Sequence 1, Application US/08316239B
: Patent No. 5679509
: GENERAL INFORMATION:
: APPLICANT: Wheeler, Cosette M.
: APPLICANT: Parmenter, Cheryl A.
: TITLE OF INVENTION: Methods and a Diagnostic Aid for
: TITLE OF INVENTION: Distinguishing a Subset of HPV that is Associated with an
: TITLE OF INVENTION: Increased Risk of Developing Cervical Dysplasia and
: TITLE OF INVENTION: Cervical Cancer
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Jagtiani & Associates
: STREET: 6126 Rocky Way Court
: CITY: Centreville
: STATE: VA
: COUNTRY: USA
: ZIP: 20120-3400
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/316,239B
: FILING DATE: 30-SEP-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Jagtiani, Ajay A.
: REGISTRATION NUMBER: 35,205
: REFERENCE/DOCKET NUMBER: UNME-0001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703) 817-9453
: TELEFAX: (703) 803-9387
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7904 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
US-08-316-239B-1

Query Match 3.0%; Score 42.6; DB 1; Length 7904;
Best Local Similarity 44.1%; Pred. No. 0.5;
Matches 226; Conservative 0; Mismatches 284; Indels 3; Gaps 1;

QY 633 CACACCTTGTCCGGCAATTAACCTGCTAATGTTGGCTTAAGCTACTTTAGGTAAATGATGC 692
Db 4966 CACTCCCACTAAACTTATTACATATGATAATCTCTGCATATGAGGTATAGATGTGGATAA 5025
QY 693 TACAATAACCCGCAATGATGCTGATGCCCTGATGCTACTATAGTCTGCTGGAGT 752

Db 5026 TACATTATATTTTCTAGTAATGATATATATAGTCCAGATCCTTGACTTTTT 5085
QY 753 AAATAATTGGGTAGACACAAACACTGAATGTACTAATTTGTGCTCTAACTTT---TACAA 809
Db 5086 GGATATAGTTGCTTTACATAGGCCAGCAATAACCTCTAGGCGTACTTGGCATTAGGTACAG 5145
QY 810 TAATAATGCTCCCTAAATTTCAATCCAGGTAAATAGTACATGCCCTACCTTGCCCGAGCAATAA 869
Db 5146 TAGAATTGGTAAATAAACAACACTACGTACTCGTAGTGGAATAATCTATAGGTGCTAAGGT 5205
QY 870 AGAATTATGCTGCTGAAGCCCACTGCGGTGGTCCGCTACTTTTAGCCAAATAATGTAAATAT 929
Db 5206 ACATTATATTATGATTTAAGTACTATTTCCTCGCAGAGAANAAGAAATACAACTAT 5265
QY 930 TGCATGCCCTGATGGTACTGCAATTCCTAGTAGGAGCAACTAATTTATGTAAATATTATAAAC 989
Db 5266 AACACCTTCTACATATATACCTACCTTACATGCGAGCCTCACCTACTTCTATTAAATAATGG 5325
QY 990 AGAATGCTAAATTTGCTGCTAACTTTTATTTTGGATGTAATAATTTCTAGGCAGGAAG 1049
Db 5326 ATTATATGATATTTATGCGAGATGACTTTATTACAGATACTTCTACAACCCCGGTACCATC 5385
QY 1050 TAGTAGATGCAAGAGCATGTCCAGCAAAATAAGTTTAAGGCGCTGTAGCAACTGCGAGGTGG 1109
Db 5386 TGTACCCCTCTACATCTTTTATCAGGTTATATTCCTGCAAAATACAACAATTCCTTTTGGTGG 5445
QY 1110 TACTGCTACTTTTAAATTCGCATAATGTGCCCTTGA 1142
Db 5446 TGCATACAATATTCCTTTAGTATCAGGTCTCTGA 5478

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